QUA-RAE

HERE IS NEWS OF.... THE RADIO ASSOCIATION OF ERIE, INC.

VOLUME IV NUMBER XIIII

October, 1973

RAE & Repeater Minutes 2
Prez Sez..... 3
Hamfest 4
Ham radio in Erie..... 5
Some happy moment recalled..... 6
The Bemis poing auction..... 7
The ARRL bulletins.....
Groups to help at race.....
The best repeater ---bar none 10
An open letter..... 12
Lead- in comparison..... 13
Columbus..... 14

Editor: Hoppy

Contributors:
Mike Hall W3[illegible]
Jim Fitzreiter K3[illegible]

Bart Geer W3SN
Bob Bair WA3HDK
Hank Schnieder W3KPJ
Chuck Bliley K3NAU
Bud Hopkins WA3TRJ
Alice Bomboy (XYL) WA3USH

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN.... BY FAR!

RADIO ASS'N OF ERIE, INC.
P.O. BOX 844
ERIE, PA. 16512

NON- PROFIT ORG.
U.S. POSTAGE
- PAID -
ERIE, PA.
PERMIT NO. 266

THIRD CL[illegible]

The Radio Ass'n. of Erie, Inc.....Serving area "Hams" for over 27 years.

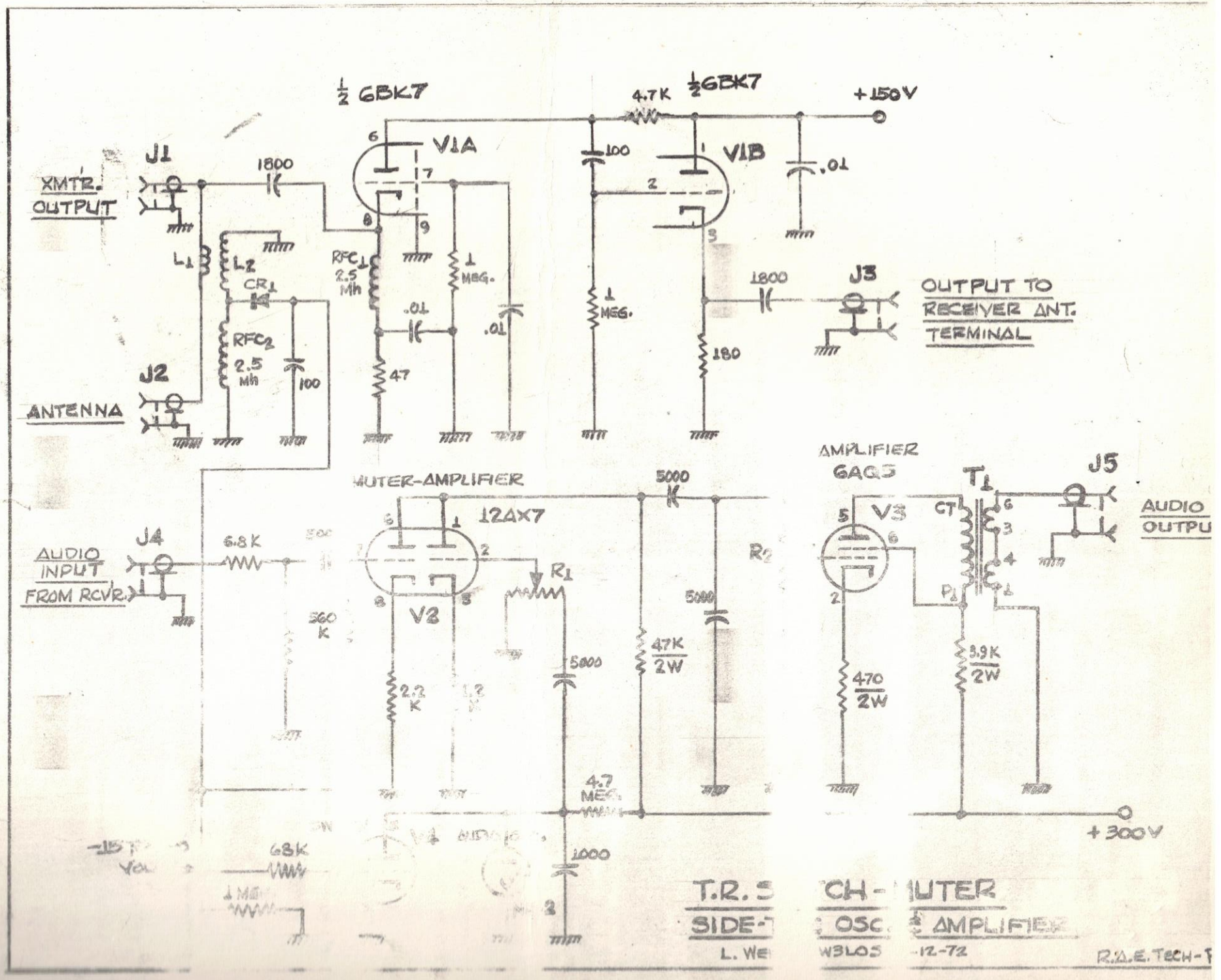
RAE MINUTES September ,1973

NONE RECEIVED

##########

REGATTA MINUTES September ,1973

NONE RECEIVED


½ 6BK7
½ 6BK7
4.7K
+150V
V1A
V1B
J1
XMTR. OUTPUT
1800
100
.01
L1
L2
CR1
RFC1 2.5 Mh
1 MEG.
.01
.01
RFC2 2.5 Mh
100
47
1 MEG.
1800
J3
OUTPUT TO RECEIVER ANT. TERMINAL
180
J2
ANTENNA
AMPLIFIER 6AQ5
T1
J5
AUDIO OUTPU
MUTER-AMPLIFIER
12AX7
5000
V3
CT
J4
AUDIO INPUT FROM RCVR.
6.8K
R2
R1
V2
560 K
5000
47K 2W
5000
2.2 K
1.8 K
470 2W
3.9K 2W
4.7 MEG.
+300V
-15 V
68K
1 MEG
1000
T.R.S
CH-
UTER
SIDE-T
OSC
AMPLIFIER
L. We
W3LOS
-12-72
R.A.E. TECH-T

CQ, CQ, CQ

In the last few months it has been brought to my attention many, many times that the QUA-RAE is a six and two meter newspaper that we cover only the above bands this is quite true, I am sorry to say. I do not believe that the lower frequencies are dead, or devoid of news. I as editor welcome all writers, from all bands. All I have to do is find a few; no matter what club they belong to. If they will write articles I personally will see that they are printed. Have you heard something funny? How was your vacation? What did you do? Who did you talk to? It does not have to be all radio, we are from all walks of life. Tell us some of the things that you have heard on the air, some of the things that struck "your funny bone" so to speak. We sincerely want to know.

We need writers now, anyone will do. You need not be a professional writer but someone that is interested in making what I believe is a good QUA-RAE. A great news paper. "for us by us" for amateurs by amateurs.

######### "73" Editor WA3TRJ

PREZ SEZ

Almost missed the deadline with this article. Hope the rest of you Hams got your in on time.

It has been a busy month so far and it is only half gone. I have too many projects going at once again, and I hear very little from those of you who work the lower frequencies. Hope to see you at Gus Browming&s activities meeting this week.

You have probably read or heard some information on the repeater but since I have spent a considerable number of hours on it I'll repeat some things here. Thru the efforts of W3STK, WA3UETm K3ATZ K3WTZ, WA3LSY, WA3USH, and myself, the tower base was planted at the CD Farm and 60 ft is up in the air supported by rope until guy wire arrives. I wish to thank Chuck Bliley (W3NAU) for his generous donation of [illegible] the receiver site to be sold and the proceeds used th purchase a duplexer so we can have a single-site repeater. This opens [illegible]

I also wish to thank Richard (WA3LSY and Dick (WA3USH) for the offer to install their solid-state single-site repeater at the CD Farm to determine propagation performace while we move our equipment. These two Hams have constructed an excellent and compact unit which should be the envy of every repeater. Their offer has been submitted to the Board of Directors for action and clarification of legal details.

Regardless of the outcome of this offer we must install the RAE repeater and groom it to the needs of the new location. We will need several workparties and a lot of muscle-power to get the receover shack on and off of the trailer when it is moved. When you hear us call for [illegible] hour or so of your time so we can finish the job before bad weather closes in.

"73" K3OAY
Brownie

August 28, 1973

Dear Fellow hams:

As the fall season fast approaches, we of the Radio Association of Erie are preparing for our annual "Hamquet". This is another way of saying that we are going to get together, eat a little, drink a little (?), and talk alot. Even the XYLs get their chance to exchange gripes about ham radio.

This year's main prizes will be your choice of either a Drake TR-22 or $200.00. Second prize will be the remaining one. Profit from the sales of the door prize tickets help to underwrite the cost of operating the club.

We hope in the coming year to do many things. We want to have two or three outstanding speakers during the year; we want to sometime to upgrade club equipment for everyone's profit; and we've been discussing the possibility of paying expenses incurred if the FCC would be willing to give exams in Erie once or twice a year.

For those of you not familiar with [illegible], our [illegible]-town speaker costs the club about $[illegible]. The QUA-TAB costs another $30 - 35 per month depending on picture quantity. Then there is Field Day, the summer picnic, club insurance, etc.,etc. You can see that total expenses tend to mount up very fast once you take a close look at them.

So won't you either buy the enclosed tickets yourself, or sell them to others. Anyone could make use of the $200.00 and the Drake TR-22 is worth at least that much.

Here's hoping to see you on Saturday, October 6,1973 beginning at 6:30 PM at the Sara Coyne Restaurant (formerly Beachcomber) and help us enjoy the annual "Hamquet".

Sincerely

George Dickey K3VLP
1973 Hamquet Chairman

P.S. Please join us also on Tuesday, September 18,1973 at the Erie Eagles Club; 2005 West 8th Street when Gus Browning, W4BPD will present a world-wide travelogue. Dutch treat at the bar - meeting from 7:30 PM till [illegible]

##

FOR SALE

DX 100 Heath - AM Transmitter 80m thru 160m

HQ 110 receiver - 160m thru 6m W/preselector.

Chuck Manross, WA3KAI, Phone 455-8829.

MEETING DIGEST

President Capto opened the meeting at 7:40 PM.

Roll call showed 8 members attending. Minutes of July 17th meeting were approved. No bills were presented. Treasurers report showed $166.16 in checking account.

Correspondence included a letter from ARRL on the 220 MHz docket, and Hamburg Hamfest Flyer.

Visitor was Paul Sexhour W9JTO.

Bob K3HWL reported on the results of the Warren Hamfest Flea Market sales. It was suggested that we might try the same idea for the Hamburg Hamfest in September. A total of $30.85 was collected.

Paul Sexhour W9JTO explained and later demonstrated a new 2 Mtr transceiver to be marketed by Motorola. A real sneak preview.

Mike K3YAK reports that the new cavitues are working fine. We are now using one antenna on the repeater.

Mike and Bob asked that the members consider the future ownership of the repeater. More discussion on the matter next month.

Mike read part of the letter he is drafting on the 220 MHz matter. He asked for and got suggestions on what else should be included.

Rog WA3TCO notified members that hereafter the deadline on the Crawford Key would be on the Subday approximately 10 days prior to the meeting night. Rog also asked if it would be a good idea for the club to rent a postoffice box at $8.20 per year. It was generally agreed not necessary and that Bob K3HWL's address should be the official club address.

The meeting was adjourned at 9:00 PM.

REPRINT CRAWFORD KEY

WHAT IS WRONG WITH HAM RADIO IN ERIE?

Maybe you can give me an answer that makes some sense. On Sunday Aug.5th PARC held its annual picnic. I believe that there was a flat charge of one dollar a head. From what I can find out there were about 30 persons who attended. On Sat. Aug. 18th the RAE held its picnic at wal*dameer. Corn was free, pop was 5¢ a bottle, beer 10¢ a glass, ox roast sandwiches 25¢ each, and hot dogs for a dime. there was about 30 people here also. Some of these people attended both picnics so actually there was maybe 40 people who attended a local picnic.

On Sunday August 19th the Warren Amateur Radio Association held their annual hamfest at YANKEE LAKE, OHIO; where nothing was cheap. YANKEE LAKE is about one hundred miles from Erie. While there I observed at least 50 persons from the Erie area. They were smiling as they shelled out 40¢ for a hot dog, 30¢ for a can of pop, and 35¢ for a paper glass of beer.

As one local ham said "what do I need a local radio club for? My answer to him was:"who do you call when you get a TV complaint? Who do you call when line noise is 60 over at your QTH and Penlec laugh at you? Who do you call when your equipment won't work and you want to borrow a receiver or transmitter? Who do you expect to furnish you with a code and theory class so you can upgrade your license? I BET YOU DO NOT ASK W.A.R.A. but think about it. It's them you support, them and Dayton, Pittsburgh, Rochester, Findley, Hamburg and on and on, and on , WHY?

"73" George Dickey K3VLP

##

FOR SALE

Heath SB650 Digital Frequency Display to go with any Heath receiver or transceiver $150.00 Contact Rodger Graham WA3NSL Ph. 335-5372

SOME HAPPY MOMENTS RECALLED

The retirement party for Harold Towlson W2BDE of Syracuse at LeMoyn Manor was what you would expect it to be. When a man has worked for a large company like General Electric for 38 years as an engineer and consultant he makes many fine friends who receive a great deal of pleasure in attending such a sendoff affair.

Many retired before Harold did, and many who couldn't make it sent best wishes from afar. The program was handled in five parts; an emcee who tied thing together, a spokesman for the period when Harold was in Schenactady, one for the period he was at Electronics Park in building 7, and one for his time with Heavy Military.

Harold finished with some remarks about interesting events of his career. Some of these had been mentioned by previous speakers, but Harold's little additions added humor and interest. No doubt you will appreciate the position he found himself in in the incidents to follow.

Advertising Stunt

As you all know, GE likes to spotlight activities which are novel and attention getting, particularly in their advertising stunts. At one time Harold and his boss were interested in having a ski jumper broadcast via a knapsack-like back-carried portable pack radio transmitter as he made a spectacular leap.

Before the actual event the skier practiced with a substitute weight for the transmitter a few times. In this case the carrying case was filled with salt. As he flew through the air on the attention-getting actual jump those watching were horrified to see smoke coming from the transmitter case, which soon burst into flames. Not a sound was heard from the transmitter.

Luckily the skier was not hurt but the transmitter was a complete loss. It turned out that snow and spilled salt had short circuted the "B" battery used to power the transmitter across the insulation in a metering jack. As Harild and his boss looked over the ruined transmitter at the bottom of the jump, Harold said, " What dumb so-and-so told them to use salt in the preliminary runs?" His boss said, "I did"

Toboggan Slide

In another stunt, Lowell Thomas had a small pack transmitter along as he made a hundred mile an hour trip down a toboggan slide. He was supposed to comment on what it felt like to be hurtling through space at that speed. The run started and a swishing noise could be heard in the receiver as he toboggan went back and forth on the curves to the rims of the chute.

But not a voice was heard. At the bottom Lowell told everyone he was so excited and scared that he couldn't get his breath to talk. At the same time it was found that the assistant at the top had forgotten to throw the switch to activate the transmitter. The noise heard was the regenerative receiver operator tuning around trying to tune in the non-existent transmitter signal!

Voice of America

Harold worked on many large 50 and 100 kilowatt broadcast transmitters, and even larger ones used for the Voice of America. On one occasion on a transmitter operating 24 hours a day, it was necessary to go into a caged area for mudolator with extremely high voltage exposed. Naturally it was interlocked so power was cut off when anyone entered to work on something.

To avoid shut-down they jumped the interlock, and Harold and his boss were inside making some checks. Somehow the

Happy moments con't from pg. 6

boss, in pointing to a high voltage point, got too close and was knocked down by an electric shock. Harold immediately turned him face down and felt in his mouth to remove anything loose like false teeth, gum, or the tongue blocking the breathing passage before starting artificial resuscitation.

As he did this he was shocked but relieved to hear his boss say, "What the hell do you think you are doing?"

Don't forget the Broome County Civil Defense test on the 13th of every month. Look for them at 8:30 PM. on 3950 KHz 50.4 MHz and 146.94/W2QZX is NCS on 395 0

Carl Schelegel W2ZLL has a lot of old parts and pieces of equipment he would like to donate to any would-be ham who needs such material but can't afford to buy it. Call him evenings at 637-9560.

Bart Geer

##########

[illegible] COMMUNICATION SERVICE, INC. is looking for a technician with commercial FCC license. (1st or 2nd class)

To work in Erie County on Motorola equipment.

Contact Denny or Clare Watson at 811-7241-2424 between 8 and 5 daily.

##########

Do you have a TV for that antenna No, it is a 6 meter squalo for Ham Radio. I have a bunch of hams in my barn.

TID BITS

Did you know that Don, W3HLM is a volunteer fireman that he devotes much time to his community in this way. Recently he furnished the music for a merry go round at one of their functions. Nice work Don.

Chuck Bliley has his two meter repeater on the air. Sound really good to. Congradulations Chuck on a job well done.

WA3LSY, Richard Robishaw, WA3USH, Dick Bomboy also have a two meter repeater off and running. Seems like a Bogue here. Oh well theirs is sounding mighty fine too. Also interesting to note both are simple site repeaters. Congradulations fellas.

WA3UDH, Ronnie Koschiuch and Sherry came in first place in the blue herron sports car rally, they both received beautifull trophies. Don't know if it was Sherry's driving, or Ronnies navigation. However, "Congradulations", to both.

"73" The Editor WA3TRJ

##########

THE BEMIS POINT AUCTION OCTOBER 13

From a QSO with Russ, K2TXB, comes news of the Chautauqua County Amateur FM Association's Annual Auction. I attended their Auction last year and was pleased at the well-organized, well-supplied affair. Their format is patterened after ours and there is the same opportunity to purchase back at no cost, equipment that the owner feels did not come up to his price expectations.

con't on pg.8

Bemis Point Auction con't from pg. 7

The place is the same as last year--- SHORE ACRES BOAT YARD at Bemis Point. The place is heated and you can back right up to the door to load and unload your "goodies". An interesting side- light is the ferrie trip across the lake if you are scared of water, but you'll miss a real honest -to-goodness treat of a leasurly ride across the lake.)

Why don't you get a carload of Hams together and go to the CCAFMA's Auction. Saturday, October 13, 1973 Shore ACRES BOAT YARD Bemis Point, New York--starting time 12 noon. Take my word or it; you'll be glad you went.

"73" Bob Bair
WA3HDK

##

THE ARRL BULLETINS

Nr. 437 August 2

Attention VHFers. So far as is known, for the first time since the W6NLZ/KH6UK work in 1957, the 2-meter band was open between California and the Hawaiian Island for several hours on July 28. It is important that data be gathered on this significant event. All amateurs with information concerning the opening are urged to report their results and observations in detail to ARRL as soon as possible. A full report is planned for the October issues of QST, deadline for which is August 15.

Nr. 438 August 9

The 1973 ARRL Net Directory, listing almost 600 public service nets registered by June 1, is now availible. This year the directory has been produced in booklet form, similar to the Repeater Directory. To receive your copy by first class mail please send an addressed envelope six and a half by nine and a half inches or larger with 24 cents U.S. postage to ARRL 225 Main Street, Newington, Connecticut. To receive both the repeator and net directories, please affix 40 cents U.S. postage.

Nr. 439

FCC has proposed in Docket 19759 that the frequencies 224-225 MHz be withdrawn from the amateur service to create an additional citizens radio service to be called Class E; the present Class D service at 27 MHz would continue in operation as well. The full text of the proposal appears in August QST beginning on page 88. Comment from individual amateurs and radio clubs may be filed with the Secretary, FCC, Washington, DC 20554 on or before September 20. Formal participation requires and original and 14 copies; in many communities photo copy machines are available in public libraries. As has been earlier reported by bulletin from this station, the ARRL Board of Directors has taken a stand strongly opposing the removal of the 224 225 MHz frequencies from the amateur allocation and has urged the filing of comments by individual amateurs as well.

Nr. 440 August 23

At the July ARRL Board Meeting, plans were finalized for the extablishment of an Emergency Communications Adaisory Committee. Membership is composed of W2 [illegible], W3PST, W4IYT, K5SWD, W6INI, W7LSU, W8ERD, W9QBH, W/PB, VE3DV, with WA4FBG as chairman. Correspondence relating to emergency communications may be directed to the committee or to ARRL Headquarters for forwarding. As with the other ARRL contesting, DX and repeaters, the new ECAC provides an additional opportunity for membership input.

"73" Hank Schneider W3KPJ

VARIETy OF GROUPS RADY TO HELP AT RACE

A meeting to discuss plans for the bike-athone next Saturday included representatives from the Optimists, Cycling Club, the Syracuse Red Cross, police, fire and sheriff depts., the Radio Amateurs of greater Syracuse (RAGS), the Liverpool Amateur Repeater Club, (LARC),the Madk-dagas CB'ers and the Red Cross Emergency Disaster Unit. the mobile Communication Emergency Unit.

BEGINS AT NOON

It originally has been planned to use CB'ers as communicators for the race, which will cover from 100 to 500 miles, depending on the ability of the cyclist. Many entries have already be received from all over the nation, and reportedly from other countries as well.

Unfortunately, someone forgot that CB operators can handle lnly emergency communications, not routine material such as who checked in at a certain check point at a specfic time.

The CB'ers will have a definite use accompanying the ambulance and the repair trucks for possible emergency use. Fortunately our local boys in these groups seem to respect the laws which permit them to operate rather than flout it as some do.

For this reason it is imperative that as many two meter FM mobiles as possible be avaible next weekend. The bike-athon will start at noon, with cyclist departures scheduled a minute apart.

Repair trucks and cars to pick up stranded cyclists will leave at intervals throughout the meet, keeping behind their respective groups except as called on for service.

LIGHTS MAMDATORY

It is important that contestants check

In at the end of the race, or if they drop out, so race officials can account for everyone, members of the cycling club will be marshals and wear arm bands to so identify them.

Because the race is for 24 hours, it will be broken up into three segments. Lights are mandatory on both front and back of the bicycles. Only those who have a permit to race at such long distances from the national cycling group will be permitted to enter. In general, they must have already gone 100 miles in one day with their bike.

Check points will be set up at intervals on each of the routes to determine when each racer passes and to get word to the officials in case of trouble. Since there may be inclement weather, and a need for food and a change of clothes, each cyclist may have a car assigned with his number prominently displayed on it to accompany him.

These cars may not ride close enough to offer protection or draft. Two meter mobile unites will display a red cross symbol on their cars so contestants may easily recognize them.

VOLUNTEERS NEEDED

Unfortunately, there are some conflicts so some of the RAGS hams will be at New ark Valley during the day for the State CW Net Picnic and the State County Net picnic. It is expected the able to help out after their return from the Southern Tier.

Because the event here is of such duration it will be necessary to assign operators to check points in shifts. Any two meter, or possible six meter, mobiles who can assist will be appreci d Call Dick oldt K2CEU of Jamesvil e.

"73" Bart Geer

THE BEST REPEATER IN THE AREA BAR NONE !

During this summer, I took a course in art at Edinboro State College, but frequently it turned out to be one of Philosophy. Dr. Eason, the Professor received her doctoriate in philosophy and made a number of interesting comments on life and society in general. Though I am sure amateur radio was the further est thing from her mind, she made a very simple yet profound statement which set me thinking. She was talking primarily about are, yet it seemed applicable to so many other areas.

"To build we must destroy," was what she said, simple and shocking on first view. Of course you just can't make a statement like that without some explination. A very good example would be a redevelopment program in a large city The objective is to improve some area of the city with the ultimate goal of improving the productivity or usefulness of the area. The problem is some of those living or working there are afraid they won't like the changes or will be out of a job or such. Usually these case are in the minority and sentimentality or unfounded fears shouldn't be damns in the flaw of progress In most cases the good generated by the destorying the past and its artifacts benefit both those here now and the ones to follow.

May I make one thing perfectly clear, destorying is not building, you must carefully deliberate on the pros and cons of your actions from as many points of view as possible, then proceed to evaluate your plans, modify or improve them, then go onward.

What does this have to do with amateur radio, well quite a lot. How many times have you bought or built the "ultimate" rig, only to find some shortcoming which you would like to improve upon. What do you do? Well that depends on whether the change is worth the effort and what do you have to do to implement that change. It may require drilling, adding to, or otherwise "destorying" the original piece of equipment. Yet in the end you should feel that your efforts far outweigh the previous value of what you have "destoryed." An improvement has been made.

Several years ago a few industrious far sighted individuals here in the Erie area decided to construct a repeater station for two meter FM. FM was becoming the "in thing" on VHF and they could see why very clearly - thirty to fourty mile mobile to mobile contacts with sets running only a few watts, and amateurs in a given area could be better informed what his fellow hams were doing and expand your acquiantences in your own backyard. Repeaters were the perfect answer to so many communication problems - both routine and in emergencies.

Their objective was to get a repeater on the air as inexpensively and easily as possible, yet keep in mind reliability at all times. Thanks to them for their insight and determination, and to those who came along to help a successful repeater project in Erie came about But there was a friend and foe at their side - time and technology. Technology gave them the equipment and the guidelines, and time gave them the experience necessary to understand the complexidies of putting a repeater together. Today we have the WA3KXD repeater thanks to their deligent efforts, but time and technology are now our foes , yet also our friends.

Things have changed since the repeater was first designed. Equipment designs have been improved upon and part have both risen and fallen in price and usefulness. A power transistor which cost about $30.00 just over two years ago is now less than $15.00. Integrated circuits now cost mere pennies each in many cases. The price of the final tube along, you can now consider buying a piece of new transistor equipment to re - place it. This has not always been the case, but it is now. The designers of WA3KXD were right to take the approach they did, but technology has caught up with them.

Best Repeater con't from page 10

Perhaps the two biggest problems with running a repeater is maintaining it electronically and supporting it financially. As far as WA3KXD is conserned, both are critical at this point. Presently the billing for electricity at both sites totals $120 a year, and improvements and repairs averages over a hundred dollars a year. Most of the repairs are for the tube replacement. A a few years back no questions were asked, but today most of the equipment could be transistorized for the cost of the spares along.

Another point must be considered though, we "advertized" the repeater for emergency purposes yet if the power goes off at either site of the repeater system we have no way of knowing it unless someone tries to use the repeater and doesn't find it operational. If there is a power failure and the repeater is needed, the immediate need must be postponed at least an hour or two until an emergency generator isset-up and running. A lot can happen, or should have in that time. What about an emergency coverage are of the repeaters. Such as things are now, it would be out of the question to set up the equipment at an emergency site. Portability certainly is out of the questin, but not with transistorized equipment and a duplexor antenna system. Yet these and other problems could be resolved by action now. Our first objective should be to transistorize all the equipment as quickly as possible and change the repeater from a two site system to a single site repeater. At the present time, the 146.34 MHz receiver and station identifier are transistorized which is about 50% of the total equipment needed.

One of the great operating shorcomings of the present repeater system is the lack of balanced "recipical" coverage. That is, being able to use the repeater over the same area as it is heard. It is extremely frustrating to be able to hear the repeater and not be able to "hit it". Let me point out though, this is a problem common to all two-site repeaters and no exclusive to KXD alone. The two site system was chosen because of technical problems which could be overcome with a set of "cavities", but the repeater finances didn't permit the purchase of these relatively expensive items.

One of the distinct advantages of a single-site repeater is its simplicity and economy. There is no need for a link transmitter and receiver to get the signal from the receiver to the transmitter site is contemplated, the electricity would be about one tenth of what it is now by conservative estimate yet suffer nothing in coverage or effectiveness, probably improve it

I would like to make several specific recommendations and suggestions. First of all to provide an incentive, and to help defray any costs for the change to single site repeater. I am offering, ad a gift, the 60' Ronn tower, presently in use at the receiver site of WA3KXD, for sale with the proceeds to be dedicated towards the purchase of a commercial duplexer to [illegible] site set-up. The present value of [illegible] parts is near $400, and a [illegible] duplexer is about $380. Perhaps [illegible] would find someone in the area that could use just such a tower who would be interested in helping the repeater along by giving us a fair price for it.

##########

TYPIST ERROR

We would like to sincerely apoligize for our typist's incompetancy. It seems as though she has had her mind somewhere else and has lost the following articles; EC REPORT, 50 MHz and above, LOW BAND DX REPORTS, 75, 40, 15, and 10 meters. PLEASE arrange find any of the above articles return to Mr. Bud Hopkins, 3834 Parade Blvd.

Con't from pg. 11

Next, once the cavities are available for installation more the equipment to the Synthene Taylor Tower and begin work on a transistorized transmitter and power amplifier. The only thing left to replace would be the control receiver at a later date. The important thing to keep in mind is the building or modifying the equipment so it could be operated automatically from a storage battery should a power failure exsist.

Also continue with plans to errect the 100' tower at the CD property on Rt. 86 to be used as a satilite receiver site or possibley as a second repeater for the general area operating on 19/79 as a single site system. Keep in mind that no present plans need to be fully abandoned, only modified, and the equipment signifigantly simplified and made more economical to operate.

Note that the present equipment which would be replaced does hove resale value which could be put towards the improvements. The "Shack" at the present receiver site could also be moved out to the 100' tower base & an equipment shed which it has so amply proved.

If the single site system were adopted it would not be unreasonable to see the operating costs lowered to a point where the "dues" for repeater use was only $5 a year, in lieu of $24 a year at present Let's face it, we have no rich uncle to underwrite the operating costs of the repeater, so we have a moral obligation to the repeater users to give them the very best repeater possible for their money.

Let's all get together once again and show the community in which we live we are capable and everyimproving ourselves We have done it before and we can do it again. Consider my proposal and give the repeater your vote of confidence and support. As he been said at one of the repeater meeting before, "Let's make WA3KXD the best repeater in the area bar none." and here is one-way to do it. What do you say?

"73" Charles A. Bliley
K3NAU

AN OPEN LETTER TO DISGRUNTLED RAE:

On or about Match 18,1973 2 local amateurs started, as an academic endeavor and test of their creative abilities, to build a "repeater.

Since this time, and their own, with one of them supplying the the technology and the other one the location and physical help have developed a completely solid state single site repeater. Housed in a 3 foot rack bavinet, it incorporates all the necessary componets to repeat, be controlled, and supply it's own power at 12 VDC. It also incorporates automatic change over, to battery power in the eventof line voltage failure, the battery and antenna system not being in the same cabinet.

They have consented to move their machine to the new tower site, at the CD farm, at the request of an RAE repeater committee member. The expressed reason being the evaluation of the new site for possible use by WA3KXD's facilities, and to demonistrate the advantages and disadvantages of a single-site repeater.

These same people help to remove the tower from the original site when it was donated to the RAE, also they helped to put it up at the new site. All this was done without thought of reward. It was done out of interest to advance ham radio,and to help their friends.

Are these the kind of hams we wish to ridicule and create poor relations with? Their efforts have been upstanding and sincere. Will a few other hams create an atmosphere in which no one would enjoy working? Let alone anyone who has put forth such effort on the RAE's Behalf. If anyone feels that these two peo le should be alienated for their honest efforts, please indicate at the next meeting. Our friends may then be informed before they invest anymore of their time and effort in our behalf. ANON.

Have A Nice Columbus Day - Mickey, This Is Not What I Had In Mind

VISIT THE STORE THAT ROCKS WITH GOOD MUSIC GEAR

- PIONEER
- PANASONIC
- LAFAYETTE
- GARRARD
- SANSUI
- DUAL
- TEAC
- SONY
- BSR
- JBL
- AR
- FISHER

* * * * *

OPEN: 10 to 9 - Monday thru Friday
10 to 5:30 on Saturday

MACE

YOUR DEPARTMENT STORE of.....

ELECTRONICS

- 2631 WEST EIGHTH STREET •
- AND LIBERTY PLAZA - ERIE, PA. •
- MEADVILLE MALL •